



PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/650112	
	Filing Date	August 26, 2003	
	First Named Inventor	Sanford D. Markowitz	
	Art Unit	1642	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	1	Attorney Docket Number	CWRU-P01-044

**ENCLOSURES (Check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input checked="" type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input type="checkbox"/> Other Enclosure(s) (please identify below):  Combined Declaration; Submission of Formal Drawings; Copy of documents associated with the electronic filing of Sequence Listing
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	ROPES & GRAY LLP John D. Quisel - 47,874
Signature	
Date	February 10, 2004

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: 2/10/04Signature: Joanne Ryan

(Joanne Ryan)



PTO/SB/17 (10-03)

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**FEE TRANSMITTAL**  
**for FY 2004**

Effective 10/01/2003, Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) **611.00****Complete if Known**

Application Number	10/650112
Filing Date	August 26, 2003
First Named Inventor	Sanford D. Markowitz
Examiner Name	Not Yet Assigned
Art Unit	1642
Attorney Docket No.	CWRU-P01-044

**METHOD OF PAYMENT (check all that apply)**☐ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number

18-1945

Deposit Account Name

Ropes &amp; Gray LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

**SUBTOTAL (1)** (\$) **385.00****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	Extra Claims	Fee from below	Fee Paid
27	-27** = 7	9.00	63.00
Independent Claims	4	-3** = 1	43.00
Multiple Dependent			

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$) **106.00**

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	65.00
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	55.00
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$) **120.00****SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	John D. Quisel	Registration No. (Attorney/Agent)	47,874	Telephone	(617) 951-7685
Signature		Date	February 9, 2004		

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Dated: 2/10/04 Signature: Joanne Ryan (Joanne Ryan)

UNITED STATES PATENT AND TRADEMARK OFFICE  
ACKNOWLEDGEMENT RECEIPTElectronic Version  
Style Sheet Version v1.1.1

Title of Invention

METHODS FOR TREATING PATIENTS AND IDENTIFYING THERAPEUTICS

Submission Type: BIO Sequence Filing

Application Number: 10/650112

\*10/650112\*

EFS ID: 55017

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application
ICON1	5888
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmaton/Application numbers at this time. They will be checked by PTO personnel later.

First Named Applicant: Sanford Markowitz

Attorney Docket Number: CWRU-P01-044

Timestamp: 2004-02-06 15:29:51 EDT

From: us

File Listing:

Doc. Name	File Name	Size (Bytes)
us-bio-seq-trans	CWRUP01044-usbios.xml	552
us-bio-seq-trans	us-bio-seq-trans.dtd	2905
us-bio-seq-trans	us-bio-seq-trans.xsl	6567
sequence-listing	CWRUP01044-usbios-S000001.txt	116180
package-data	CWRUP01044-pkda.xml	2182
package-data	package-data.dtd	27025
package-data	us-package-data.xsl	19263
Total files size		174674

Message Digest: a4eeba7eaf45afb486242a122b784d3196bbba19

Digital Certificate Holder Name: cn=Yu Lu,ou=Registered Attorneys,ou=Patent and Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US

## TRANSMITTAL

Electronic Version

Stylesheet Version v1.1.0

## Title of Invention

METHODS FOR TREATING PATIENTS AND IDENTIFYING THERAPEUTICS

Application Number: 10/650112 \*10/650112\*

Date: 2003-08-26

First Named Applicant: Sanford D. Markowitz

Confirmation Number: 5888

Attorney Docket Number: CWRU-P01-044

I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Submitted by:

Elec. Sign.

John D. Quisel  
Registered Number: 47,874

/jdq/

Electronic Version v13

Stylesheet Version v01

AMINO ACID AND/OR NUCLEOTIDE SEQUENCE LISTING SUBMISSION

FEB 12 2004

PATENT &amp; TRADEMARK OFFICE

This is a request for filing an Electronic Computer Readable Form copy of a sequence listing via the Electronic Filing System for a patent application under 37 CFR 1.821-1.825 instead of via one of the physical media specified in 37 CFR 1.824(c).

This communication has an attached file which is an electronic copy of the amino acid and/or nucleotide sequence listing for the previously mentioned United States patent application.

The electronic copy submitted herewith is the Computer Readable Form (CRF), as required by 1.821(e).

Any applicable fees associated with the filing of the electronic copy have been paid.

This submission does not go beyond the disclosure of the application as originally filed (i.e., contains no new matter). It may be in addition to an original CRF, filed to comply with the sequence rules:

This submission in electronic form comprises only the CRF of 37 CFR 1.821(e). I acknowledge that I am responsible for all additional requirements of amino acid and/or nucleotide sequence listing submissions as specified in 37 CFR 1.821 - 1.825.

This submission does not go beyond the disclosure of the application as originally filed (i.e., contains no new matter), and/or is in addition to an original CRF filed to comply with the sequence rules. If not made to comply with an originally filed CRF, it is identical to the sequences disclosed in the application as originally filed and/or the paper copy of the sequence listing as originally filed.

I hereby certify that this correspondence is being transmitted to the United States Patent and Trademark Office on the following date: 2004-02-06

Name: Mr. John D. Quisel

Electronic Signature Mark: /jdq/

Attachment description:

CRF File Sequence

Compression software used:

Documents being submitted	Files
us-bio-seq-trans	CWRUP01044-usbios.xml
	us-bio-seq-trans.dtd
	us-bio-seq-trans.xsl
sequence-listing	CWRUP01044-usbios-S000001.txt
Comments	
IPDAS Version 3.2.1, Validation Version 1.1.1.2, Submission Version 1.1.0.5	